

CLAIMS

We claim:

1. A method of treating human waste products comprising contacting human waste products with an effective amount of a culture of *Muscodor albus*.
2. A method of treating human waste products comprising contacting human waste products with an effective amount of the volatile composition produced by the isolate culture of *Muscodor albus*.
3. A method of treating human waste products comprising contacting human waste products with an effective amount of the non-volatile inhibitors produced by the isolate culture of *Muscodor albus*.
4. The method of claims 1, 2 or 3, further comprising:
 - (a) infesting a seed grain with *Muscodor albus*; and
 - (b) adding the infested seed grain to the human waste products.
5. The method of claim 4, wherein the infested seed grain is added to the human waste products in a closed environment.
6. The method of claim 5, wherein the closed environment is a disposable bag.
7. The method of claim 6, wherein the disposable bag is used in connection with a portable toilet.
8. The method of claim 7, wherein the disposable bag is the WAG BAG™.
9. The method of claim 4, wherein the infested seed grain is added to the human waste products in a non-closed environment.

10. A method of treating animal waste products comprising contacting animal waste products with an effective amount of a culture of *Muscodor albus*.

11. A method of treating animal waste products comprising contacting animal waste products with an effective amount of the volatile composition produced by the isolate culture of *Muscodor albus*.

12. A method of treating animal waste products comprising contacting animal waste products with an effective amount of the non-volatile inhibitors produced by the isolate culture of *Muscodor albus*.

13. The method of claims 10, 11 or 12, further comprising:

(a) infesting a seed grain with *Muscodor albus*; and

(b) adding the infested seed grain to the animal waste products.

14. The method of claim 13, wherein the infested seed grain is added to the animal waste products in a closed environment.

15. The method of claim 14, wherein the closed environment is a disposable bag.

16. The method of claim 15, wherein the disposable bag is used in connection with a portable toilet.

17. The method of claim 16, wherein the disposable bag is the WAG BAG™.

18. The method of claim 13, wherein the infested seed grain is added to the human waste products in a non-closed environment.

19. A method of preparing *Muscodor albus* for use in the treatment of human waste products comprising:

(a) infesting a seed grain with *Muscodor albus*; and

- (b) storing the infested seed grain under conditions that will allow the *Muscodor albus* to remain viable for the desired period of time.

20. A method of preparing *Muscodor albus* for use in the treatment of animal waste products comprising:

- (a) infesting a seed grain with *Muscodor albus*; and
- (b) storing the infested seed grain under conditions that will allow the *Muscodor albus* to remain viable for the desired period of time.

21. A method of preparing *Muscodor albus* for use in the treatment of human waste products comprising:

- (a) adding water to seed grain;
- (b) facilitating the uptake of water into the seed grain;
- (c) sterilizing the seed grain;
- (d) inoculating the seed grain with *Muscodor albus*;
- (e) growing the *Muscodor albus* culture so that it infests the seed grain;
- (f) drying the infested seed grain; and
- (g) storing the dried infested seed grain under conditions that allow the *Muscodor albus* to remain viable.

22. A method of preparing *Muscodor albus* for use in the treatment of animal waste products comprising:

- (a) adding water to seed grain;
- (b) facilitating the uptake of water into the seed grain;
- (c) sterilizing the seed grain;

- (d) inoculating the seed grain with *Muscodor albus*;
- (e) growing the *Muscodor albus* culture so that it infests the seed grain;
- (f) drying the infested seed grain; and
- (g) storing the dried infested seed grain under conditions that allow the *Muscodor albus* to remain viable.

23. A method of preparing *Muscodor albus* for use in the treatment of human waste products comprising:

- (a) placing seed grain into a glass beaker;
- (b) adding water to the glass beaker until it covers the seed grain;
- (c) placing the glass beaker in a microwave oven for ten minutes;
- (d) decanting the excess water;
- (e) placing the seed grain in a flask with a stopper;
- (f) placing the flask in an autoclave for at least 40 minutes;
- (g) allowing the flask to cool;
- (h) inoculating the flask with a fresh viable culture of *Muscodor albus*;
- (i) allowing the *Muscodor albus* culture to grow for at least one month at 23° C so that it infests the seed grain;
- (j) removing the infested seed grain from the flask;
- (k) air-drying the infested seed grain in a sterile hood with sterile air; and
- (l) storing the dried infested seed grain at -4° C or at -70° C or at room temperature.

24. A method of preparing *Muscodor albus* for use in the treatment of animal waste products comprising:

- (a) placing seed grain into a glass beaker;
- (b) adding water to the glass beaker until it covers the seed grain;
- (c) placing the glass beaker in a microwave oven for ten minutes;
- (d) decanting the excess water;
- (e) placing the seed grain in a flask with a stopper;
- (f) placing the flask in an autoclave for at least 40 minutes;
- (g) allowing the flask to cool;
- (h) inoculating the flask with a fresh viable culture of *Muscodor albus*;
- (i) allowing the *Muscodor albus* culture to grow for at least one month at 23° C so that it infests the seed grain;
- (j) removing the infested seed grain from the flask;
- (k) air-drying the infested seed grain in a sterile hood with sterile air; and
- (l) storing the dried infested seed grain at -4° C or at -70° C or at room temperature.

25. The method of claim 4, wherein the seed grain is selected from the group consisting of barley, rye, rice, wheat, mustard and grass.

26. The method of claim 13, wherein the seed grain is selected from the group consisting of barley, rye, rice, wheat, mustard and grass.

27. The method of claims 5, 9, 14, 18, 19, 20, 21, 22, 23 or 24, wherein the seed grain is selected from the group consisting of barley, rye, rice, wheat, mustard and grass.